

08-03-06

Attorney's Docket No.: 17601-045001 / 067083.0288

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Joseph A. Zupanick
Serial No. : 10/788,694
Filed : February 27, 2004
Title : SYSTEM AND METHOD FOR MULTIPLE WELLS FROM A COMMON SURFACE LOCATION
Art Unit : 3672
Examiner : Daniel P. Stephenson
Conf. No. : 6999

MAIL STOP AMENDMENT

Commissioner for Patents
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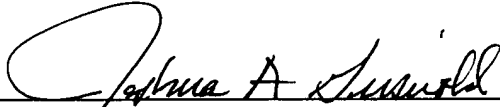
INFORMATION DISCLOSURE STATEMENT

Applicant requests consideration of the references listed on the attached PTO-1449 form. Under 37 C.F.R. § 1.98 (a)(2)(ii), only copies of foreign patent documents and/or non-patent literature are enclosed. Copies of any listed U.S. patents, U.S. patent applications or U.S. patent application publications can be provided upon request. A copy of a communication from a foreign patent office in a related application is also enclosed.

This statement is being filed within one month of the filing date of the Request for Continued Examination (RCE) filed July 21, 2006 and before the first office action on the merits. No fees are believed due. However, please apply any deficiencies or any other required fees or any credits to deposit account 06-1050, referencing the attorney docket number shown above.

Respectfully submitted,

Date: 8-2-06


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Substitute Form PTO-1449

U.S. Department of Commerce
Patent and Trademark OfficeAttorney's Docket No.
17601-045001Application No.
10/788,694**Information Disclosure Statement
by Applicant**

(Use several sheets if necessary)

(37 CFR § 1.56(b))

Applicant
Joseph A. ZupanickFiling Date
February 27, 2004Group Art Unit
3672**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	A1	3,687,204	08/29/1972	Marshall et al.			
	A2	3,759,328	09/18/1973	Ueber et al.			
	A3	4,356,866	11/02/1982	Savins			
	A4	4,396,075	08/02/1983	Wood et al.			
	A5	Re. 32,623	03/15/1988	Marshall et al.			
	A6	5,207,271	05/04/1993	Sanchez et al.			
	A7	5,520,252	05/28/1996	McNair			
	A8	5,664,911	09/09/1997	Bridges et al.			
	A9	5,733,067	03/31/1998	Hunt et al.			
	A10	6,581,455 B1	06/24/2003	Berger et al.			
	A11	6,581,685 B2	06/24/2003	Burgess et al.			
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	A15	2006/0096755 A1	05/11/2006	Zupanick,			

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	B1	UA 37,720 A	05/15/2001	Ukraine			Spec Only	

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	C1	P.C. Thakur and W.N. Poundstone, "Horizontal Drilling Technology for Advance Degasification," Society of Mining Engineers of AIME, Preprint Number 79-113, For presentation at the 1979 AIME Annual Meeting, New Orleans, Louisiana, February 18-22, 1979, Engineering Societies Library stamp dated February 5, 1980, 11 pages.
	C2	Notification Concerning Transmittal of Copy of International Preliminary Report on Patentability (1 page), International Preliminary Report on Patentability (1 page), and Written Opinion of the International Searching Authority (5 pages) mailed February 9, 2006 for International Application No. PCT/US2004/024518

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	C21	B.G. kta and T. Ertekin, "Implementation of a Local Grid Refinement Technique in Modeling Slanted, Undulating Horizontal and Multi-Lateral Wells," SPE 56624, Society of Petroleum Engineers, Copyright 1999, 10 pages
	C22	W.H. Leach Jr., "New Technology for CBM Production," Oil and Gas Investor, Opportunities in Coalbed Methane, December 2002, 6 pages
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	C52	Marshall DeLuca, "Multilateral Completions on the Verge of Mainstream," OFFSHORE, April 1997, 2 pages
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	C76	Mike R. Chambers, "Multilateral Technology Gains Broader Acceptance," OIL & GAS JOURNAL, November 23, 1998, 5 pages

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	C81	Robert A. Gardes, "Micro-annulus Under-balanced Drilling of Multilateral Wells," OFFSHORE, May 1996, 4 pages
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	C84	Jeremy Beckman, "Coiled Tubing, Reamer Shoes Push Through Barriers in North Sea Wells," OFFSHORE, February 1997, 1 page
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	C90	Ravil Gabdullinovich Salikhov, Evgeny Fedyorovich Dubrovin, and Vladimir Vladimirovich Sledkov, "Cluster and Dual-Lateral Drilling Technologies Optimize Russian Well Production," OIL & GAS JOURNAL, November 24, 1997, 7 pages
	C91	Dean E. Gaddy, "Inland Barge to Allow Cluster Drilling in Nigeria," OIL & GAS JOURNAL, August 30, 1999, 7 pages
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	C110	Pramod C. Thakur, Stephen D. Lauer, and Joseph Cervik, "Methane Drainage With Cross-Measure Boreholes on a Retreat Longwall Face," Preprint No. 83-398, Society of Mining Engineers of AIME, for presentation at the SME-AIME Fall Meeting and Exhibit, Salt Lake City, Utah, October 19-21, 1983, 14 pages
	C111	Warren F. Dobson and Daniel R. Seelye, "Mining Technology Assists Oil Recovery from Wyoming Field," SPE 9418, Society of Petroleum Engineers of AIME, Copyright 1980, 7 pages

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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 17601-045001	Application No. 10/788,694
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Joseph A. Zupanick	
		Filing Date February 27, 2004	Group Art Unit 3672

Other Documents (include Author, Title, Date, and Place of Publication)		
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	C112	T.L. Logan, J.J. Schwoebel and D.M. Horner, "Application of Horizontal Drainhole Drilling Technology for Coalbed Methane Recovery," SPE/DOE 16409, Society of Petroleum Engineers/U.S. Department of Energy, Copyright 1997, 12 pages
	C113	Samuel O. Osisanya and Robert F. Schaffitzel, "A Review of Horizontal Drilling and Completion Techniques for Recovery of Coalbed Methane," SPE 37131, Society of Petroleum Engineers, Copyright 1996, 13 pages
	C114	S.D. Joshi, "A Review of Horizontal Well and Drainhole Technology," SPE 16868, Society of Petroleum Engineers, Copyright 1987, 17 pages
	C115	R. Bitto, A.B. Henderson and L. Broussard, "Recent Case Histories of New Well Applications for Horizontal Drilling," SPE 21262, Society of Petroleum Engineers, Copyright 1990, 12 pages
	C116	M.R. Konopczynski, John Hughes and J.E. Best, "A Novel Approach to Initiating Multi-Lateral Horizontal Wells," SPE/IADC 29385, Society of Petroleum Engineers, Copyright 1996, 11 pages
	C117	Kelly Falk and Craig McDonald, "An Overview of Underbalanced Drilling Applications in Canada," SPE 30129, Society of Petroleum Engineers, Copyright 1995, 9 pages
	C118	"Evolution Toward Simpler, Less Risky Multilateral Wells," WORLD OIL, prepared from paper SPE/IADC 67825 by Adam Pasicznyk, June 2001, 8 pages
	C119	"How Multilateral Boreholes Impact Ultimate Recovery Strategies," OFFSHORE, July 1997, 6 pages
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	C121	Nicholas P. Chironis, "New Borehole Techniques Offer Hope for Gassy Mines," COAL AGE, January 1973, 4 pages
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	C123	T.L. Logan, "Horizontal Drainhole Drilling Techniques Used for Coal Seam Resource Exploitation," SPE 18254, Society of Petroleum Engineers, Copyright 1988, 13 pages
	C124	David Hill, Eric Neme, Christine Enlig-Economides and Miguel Mollinedo, "Reentry Drilling Gives New Life to Aging Fields," OILFIELD REVIEW, Autumn 1996, 14 pages
	C125	R.L. Thoms and R.M. Gehle, "Feasibility of Controlled Solution Mining From Horizontal Wells," Solution Mining Research Institute, October 24-27, 1993, 8 pages
	C126	"World's First Trilateral Horizontal Wells on Stream," Oil & Gas Journal, November 29, 1993, 2 pages
	C127	Margaret A. Adams, Jeanne L. Hewitt and Rodney D. Malone, "Coalbed Methane Potential of the Appalachians," SPE/DOE 10802, Society of Petroleum Engineers, Copyright 1982, 10 pages
	C128	F.C. Schwerer and A.M. Pavone, "Effect of Pressure-Dependent Permeability on Well-Test Analyses and Long-Term Production of Methane From Coal Seams," SPE/DOE/GRI 12857, Society of Petroleum Engineers, Copyright 1984, 10 pages
	C129	Stephen Krickovic and J.D. Kalasky, "Methane Emission Rate Study in a Deep Pocahontas No. 3 Coalbed Mine in Conjunction With Drilling Degasification Holes in the Coalbed," RI-7703, Bureau of Mines Report of Investigations/1972, United States Department of the Interior, 1972, 15 pages
	C130	H.H. Fields, Joseph Cervik, and T.W. Goodman, "Degasification and Production of Natural Gas From an Air Shaft in the Pittsburgh Coalbed," RI-8173, Bureau of Mines Report of Investigations/1976, United States Department of the Interior, 1976, 28 pages

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	C131	Gerald L. Finfinger and Joseph Cervik, "Drainage of Methane From the Overlying Pocahontas No. 4 Coalbed From Workings in the Pocahontas No. 3 Coalbed," RI-8359, Bureau of Mines Report of Investigations/1979, United States Department of the Interior, 1979, 19 pages
	C132	Gerald L. Finfinger and Joseph Cervik, "Review of Horizontal Drilling Technology for Methane Drainage From U.S. Coalbeds," IC-8829, Bureau of Mines Information Circular/1980, United States Department of the Interior, 1980, 24 pages
	C133	Andre P. Jourdan and Guy A. Baron, "Elf Drills 1,000 + Ft Horizontally," PETROLEUM ENGINEER INTERNATIONAL, September 1981, 4 pages
	C134	P.F. Conti, "Controlled Horizontal Drilling," SPE/IADC 18708, Society of Petroleum Engineers, Copyright 1989, 6 pages
	C135	Armando R. Navarro, "Innovative Techniques Cut Costs in Wetlands Drilling," OIL & GAS JOURNAL, October 14, 1991, 4 pages
	C136	Victor M. Luhowy and Peter D. Sametz, "Horizontal Wells Prove Effective in Canadian Heavy-Oil Field," OIL & GAS JOURNAL, June 28, 1993, 6 pages
	C137	D. Lane Becker, "Project Management Improved Multiwell Shallow Gas Development," OIL & GAS JOURNAL, October 16, 1995, 5 pages
	C138	Mike R. Chambers, "Junction Design Based on Operational Requirements," OIL & GAS JOURNAL, December 7, 1998, 7 pages
	C139	A.J. Branch, et al., "Remote Real-Time Monitoring Improves Orinoco Drilling Efficiency," OIL & GAS JOURNAL, May 28, 2001, 6 pages
	C140	D. Keith Murray, "Deep Coals Hold Big Part of Resource," THE AMERICAN OIL & GAS REPORTER, May 2002, 8 pages
	C141	Nestor Rivera, et al., "Multilateral, Intelligent Well Completion Benefits Explored," OIL & GAS JOURNAL, April 14, 2003, 10 pages
	C142	HANDBOOK ON COAL BED METHANE PRODUCED WATER: MANAGEMENT AND BENEFICIAL USE ALTERNATIVES, prepared by ALL Consulting, July 2003, 321 pages
	C143	Nikola Maricic, "Parametric and Predictive Analysis of Horizontal Well Configurations for Coalbed Methane Reservoirs in Appalachian Basin," Thesis, West Virginia University, Department of Petroleum and Natural Gas Engineering, 2004, 162 pages
	C144	Nikola Maricic, Shahab D. Mohaghegh, and Emre Artun, "A Parametric Study on the Benefits of Drilling Horizontal and Multilateral Wells in Coalbed Methane Reservoirs," SPE 96018, Society of Petroleum Engineers, Copyright 2005, 8 pages
	C145	D.P. Schlick and J.W. Stevenson, "Methane Degasification Experience at Jim Walter's," Proceedings of the Twelfth Annual Institute on Coal Mining Health, Safety and Research, August 25-27, 1981
	C146	P.C. Thakur, "Optimum Methane Drainage in Gassy Coal Mines," 2003 SME Annual Meeting, copyright 2003 by SME, 4 pages
	C147	Global Methane and the Coal Industry: A Two-Part Report on Methane Emissions from the Coal Industry and Coalbed Methane Recovery and Use, Coal Industry Advisory Board, International Energy Agency, copyright 1994, 72 pages
	C148	Pratt et al., U.S. Patent Application entitled "Cavity Well System," S/N 11/141,335, May 31, 2005, 19 pages

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